



## Weather and Climate

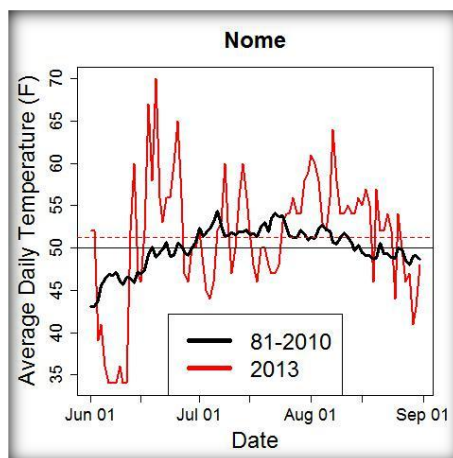
### Bering Land Bridge Summer 2013 Weather Summary

#### Was Summer 2013 Normal?

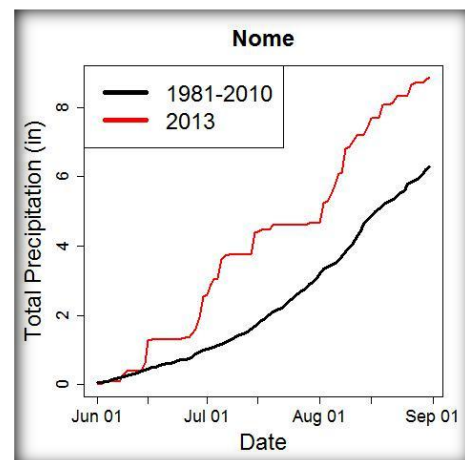
Summer in Nome was slightly warmer and wetter than normal. June was 1.3°F warmer than normal and broke two record high temperatures. The last day with temperatures below freezing was June 10. July had near normal precipitation and temperatures were just below normal. August precipitation was 130% of normal and the average monthly temperature was 2.9°F warmer than normal.

In Nome, June was warmer and wetter than normal. The average temperature for June was 49.1° F compared to a normal value of 47.8° F. Temperatures soared from June 17-19 and two high temperature records were broken. The high temperature of 86° F on June 19 tied the all-time high temperature from July 31, 1977 and was a new record for the month of June. Prior to the heat wave, 0.86 inches of rainfall was recorded and high temperatures didn't exceed the low 50's. Wet conditions returned the last week of the month and total precipitation ended up at 258% of normal. July was near normal for both temperature and precipitation. The average temperature for the month was 51.6° F and 2.12 inches precipitation fell. Warm and wet conditions returned in August. The average monthly temperature was 2.9° F warmer than normal, primarily due to warmer than normal conditions the first half of the month. 4.21 inches of rain fell in August compared to a normal value of 3.22 inches. The rain was persistent: measureable precipitation was recorded 21 days in August. Overall Nome's summer was 1.2° F warmer than normal and precipitation was 137% of normal.

Nome – Average Air Temperatures



Nome – Cumulative Precipitation



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## Nome Weather Records:

Climate Normal Period 1981 – 2010

Climate Record Period 1906 – 2013

## Temperature

Summer 2013	Average Monthly Temp °F	1981-2010 Normal °F	Departure from Normal °F	Monthly High °F / Date	Monthly Low °F / Date
June	49.1	47.8	+1.3	86* / June 19	30 / June 11
July	51.6	52.2	-0.6	72 / July 13	40 / July 11
August	53.0	50.1	+2.9	72 / Aug 7	33 / Aug 29

Summer Season Temperature Departure from Normal: +1.2°F

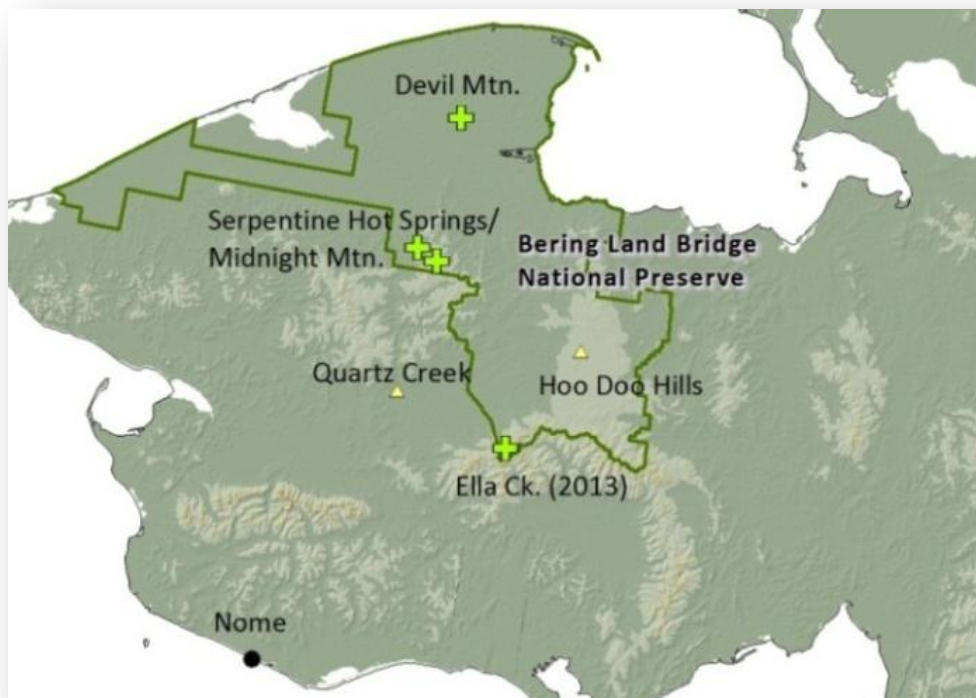
\*All-time high temperature for Nome (tied with July 31, 1977)

## Precipitation

Summer 2013	Total Monthly Precip in.	1981-2010 Normal in.	Departure from Normal in.	Greatest 24 –hr total in. / Date	# Days with ≥0.01 in. water
June	2.53	0.98	+1.55	0.86 / June 14-15	13
July	2.12	2.11	+0.01	0.63 / July 14	14
August	4.21	3.22	+0.99	0.70 / Aug 8	21

Summer Season Departure from Normal: +2.55 inches

We now have additional NPS climate stations in Bering Land Bridge that complement the long-term record available from the National Weather Service station in Nome. The new NPS stations will provide critical data along a north south transect across the Seward Peninsula that will help characterize the climate gradients and patterns affecting resources in Bering Land Bridge National Preserve.



# Bering Land Bridge Summer 2013 Weather Summary

## Arctic Network RAWS weather summary

Summer 2013							Peak
Site	Elev. Ft.	Average Temp (°F)			Temp Avg. Summer	Precip (in) Summer	Wind (mph)
Devil Mtn.	285	50.4	51.4	47.5	49.8	M	32
Serpentine	518	52.7	53.5	48.8	51.7	4.65	29
Ella Creek	2320	49.1	47.8	--	--	M	63
Quartz Creek	321	55.5	54.5	51.8	53.9	5.14	35

\* Preliminary data subject to revision – precipitation gages are not shielded and therefore rainfall totals may be lower than actual amounts.

Notes: Hoodoo Hill was not transmitting. Precipitation gages at Devil Mtn and Ella Creek were repaired in August 2013.

### Interesting notes from RAWS stations:

- Ella Creek was installed in 2012 and collected data through the year. It is now transmitting each hour and data can be accessed through the links below.
- Ella Creek is a windy location with average wind speeds of 13 mph for the year. The maximum gust recorded of 92 mph was on January 29. The peak gust of summer was 63 mph on June 30.
- The coolest summer temperatures on the Seward Peninsula were found at Ella Creek the high elevation site on the southern edge of the preserve.
- Temperatures did not dip below freezing at Serpentine from June 13 to August 29.



Ella Creek climate station

Please Note: The summarized data are preliminary and have not undergone final quality control. Therefore, these data are subject to revision.

## Connecting Further

Previous weather summaries and other climate monitoring documents on the [Arctic Network web portal](#)

Access near real-time data from [Western Regional Climate Center](#) and [MesoWest](#)

Check out the Jul-Aug-Sep weather outlook from the [NOAA Climate Prediction Center](#)

Statewide summary of weather highlights in the latest [Alaska Climate Dispatch](#) from the Alaska Center for Climate Assessment and Policy

[Map](#) of projected temperature and precipitation changes for Bering Land Bridge National Preserve.

### For more information contact:

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